# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG053119\
Data File : BG041003.D
Acq On : 1 Jun 2019 8:33
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Jun 03 01:28:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 108 | -0.01 |
| 2 | | 1,4-Dioxane | 0.503 | 0.453 | 9.9 | 97 | 0.00 |
| 3 | | Pyridine | 1.489 | 1.443 | 3.1 | 104 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.691 | 0.690 | 0.1 | 106 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.109 | 1.084 | 2.3 | 104 | 0.00 |
| 6 | | Aniline | 2.286 | 2.191 | 4.2 | 103 | -0.01 |
| 7 | S | Phenol-d6 | 1.713 | 1.600 | 6.6 | 101 | 0.00 |
| 8 | | 2-Chlorophenol | 1.322 | 1.241 | 6.1 | 102 | 0.00 |
| 9 | | Benzaldehyde | 1.022 | 1.007 | 1.5 | 106 | -0.01 |
| 10 | C | Phenol | 1.837 | 1.701 | 7.4 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.332 | 1.250 | 6.2 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.579 | 1.556 | 1.5 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.599 | 1.569 | 1.9 | 104 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.552 | 1.537 | 1.0 | 106 | 0.00 |
| 15 | | Benzyl Alcohol | 1.585 | 1.500 | 5.4 | 102 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.177 | 2.124 | 2.4 | 105 | -0.01 |
| 17 | | 2-Methylphenol | 1.330 | 1.232 | 7.4 | 99 | 0.00 |
| 18 | | Hexachloroethane | 0.616 | 0.617 | -0.2 | 108 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.318 | 1.249 | 5.2 | 102 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.842 | 1.671 | 9.3 | 99 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 22 | | Acetophenone | 0.561 | 0.568 | -1.2 | 101 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.451 | 0.459 | -1.8 | 103 | 0.00 |
| 24 | | Nitrobenzene | 0.459 | 0.464 | -1.1 | 101 | 0.00 |
| 25 | | Isophorone | 0.857 | 0.844 | 1.5 | 98 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.189 | 0.195 | -3.2 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.313 | 0.300 | 4.2 | 96 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.463 | 0.457 | 1.3 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.397 | 0.378 | 4.8 | 94 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.452 | 0.454 | -0.4 | 100 | -0.01 |
| 31 | | Naphthalene | 1.074 | 1.065 | 0.8 | 99 | -0.01 |
| 32 | | Benzoic acid | 0.223 | 0.230 | -3.1 | 102 | -0.01 |
| 33 | | 4-Chloroaniline | 0.498 | 0.476 | 4.4 | 96 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.346 | 0.357 | -3.2 | 106 | 0.00 |
| 35 | | Caprolactam | 0.131 | 0.122 | 6.9 | 92 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.453 | 0.413 | 8.8 | 92 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.827 | 0.791 | 4.4 | 96 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.779 | 0.735 | 5.6 | 94 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.806 | 0.842 | -4.5 | 96 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.361 | 0.400 | -10.8 | 103 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.297 | 0.304 | -2.4 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.521 | 0.532 | -2.1 | 93 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.550 | 0.555 | -0.9 | 94 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG053119\
Data File : BG041003.D
Acq On : 1 Jun 2019 8:33
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Jun 03 01:28:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.389 | 1.433 | -3.2 | 95 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.480 | 1.507 | -1.8 | 92 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.271 | 1.298 | -2.1 | 94 | 0.00 |
| 48 | | 2-Nitroaniline | 0.456 | 0.479 | -5.0 | 97 | 0.00 |
| 49 | | Acenaphthylene | 1.913 | 1.915 | -0.1 | 90 | -0.01 |
| 50 | | Dimethylphthalate | 1.693 | 1.686 | 0.4 | 91 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.365 | 0.364 | 0.3 | 92 | 0.00 |
| 52 | C | Acenaphthene | 1.159 | 1.149 | 0.9 | 91 | 0.00 |
| 53 | | 3-Nitroaniline | 0.365 | 0.372 | -1.9 | 92 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.142 | 0.180 | -26.8# | 124 | 0.00 |
| 55 | | Dibenzofuran | 1.950 | 1.933 | 0.9 | 90 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.250 | 0.278 | -11.2 | 100 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.516 | 0.523 | -1.4 | 92 | 0.00 |
| 58 | | Fluorene | 1.553 | 1.529 | 1.5 | 91 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.540 | 0.547 | -1.3 | 93 | -0.01 |
| 60 | | Diethylphthalate | 1.728 | 1.709 | 1.1 | 90 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 1.009 | 0.989 | 2.0 | 91 | 0.00 |
| 62 | | 4-Nitroaniline | 0.386 | 0.406 | -5.2 | 97 | 0.00 |
| 63 | | Azobenzene | 1.570 | 1.556 | 0.9 | 89 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.096 | 0.108 | -12.5 | 105 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.562 | 0.548 | 2.5 | 90 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.270 | 0.259 | 4.1 | 88 | -0.01 |
| 68 | | Hexachlorobenzene | 0.287 | 0.274 | 4.5 | 88 | 0.00 |
| 69 | | Atrazine | 0.217 | 0.231 | -6.5 | 91 | 0.00 |
| 70 | C | Pentachlorophenol | 0.139 | 0.162 | -16.5 | 104 | -0.01 |
| 71 | | Phenanthrene | 1.042 | 1.042 | 0.0 | 91 | -0.01 |
| 72 | | Anthracene | 1.027 | 1.034 | -0.7 | 92 | 0.00 |
| 73 | | Carbazole | 0.882 | 0.916 | -3.9 | 95 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.096 | 1.116 | -1.8 | 91 | -0.01 |
| 75 | C | Fluoranthene | 1.287 | 1.301 | -1.1 | 92 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 77 | | Benzidine | 0.477 | 0.571 | -19.7 | 106 | 0.00 |
| 78 | | Pyrene | 1.300 | 1.342 | -3.2 | 93 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.942 | 0.982 | -4.2 | 93 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.506 | 0.525 | -3.8 | 94 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.331 | 1.359 | -2.1 | 94 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.468 | 0.497 | -6.2 | 99 | 0.00 |
| 83 | | Chrysene | 1.274 | 1.304 | -2.4 | 93 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.712 | 0.718 | -0.8 | 93 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.186 | 1.211 | -2.1 | 93 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.561 | 1.564 | -0.2 | 94 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 94 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG053119\
Data File : BG041003.D
Acq On : 1 Jun 2019 8:33
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Jun 03 01:28:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.213 | 1.228 | -1.2 | 93 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.200 | 1.170 | 2.5 | 90 | -0.01 |
| 90 C | Benzo(a)pyrene | 1.157 | 1.165 | -0.7 | 93 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 1.156 | 1.168 | -1.0 | 93 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 1.124 | 1.153 | -2.6 | 96 | -0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0